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## Plan Overview

*A Data Management Plan created using CORA.eiNa DMP*

**Title:** Climate Justice Ready

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**Funder:** European Research Council (ERC)

**Template:** ERC DMP

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**DMP ID:** 3726

**Last modified:** 02-02-2024

### Project abstract:

Cities in the Global North are increasingly adopting nature-centered and other green infrastructure interventions to respond to climate risks and impacts and enhance their adaptation and resilience capacity. Yet, plans for such green infrastructure (GI) and other urban greening interventions tend to underestimate risks of displacement for lower-income and minority residents – what myself and others have previously called green climate gentrification. Despite increasing recognition of this process and concerns for the displaced, few municipal green interventions are coupled with social provisions (such as social housing; resident-driven economic development schemes) to protect residents from displacement. Yet, predicting and preventing green gentrification is the only way to build a green resilience agenda that upholds the stated social and environmental goals of such plans and avoid green paradoxes born out of urban renaturing projects and which municipalities have expressed commitment to avoid. In this POC, I propose to further analyze the social equity impacts of climate adaptation and green resilience efforts and build on my GreenLULUs ERC in order to (a) create a replicable, interactive community- and policy-driven predictor index, tool, and analysis for green gentrification in the context of planned green climate-centered infrastructure and (b) test the early development of an actionable, pilot municipal policy and planning instrument, such as a climate-adaptation focused community land trust, a municipal green bond program for equitable climate resilience, a community-based stewardship fund, or green minority-owned green business seed grants (among others) to prevent green climate gentrification. These tasks will be decided and built in partnership with municipal governments and community groups based on pilot cities included in my finishing ERC project – Barcelona and Boston – so that this POC can support them in their work for more just green cities.

**Start date:** 01-10-2023

**End date:** 31-03-2025

# Climate Justice Ready

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## Summary

Climate Justice Ready

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The project will not generate a dataset but use public datasets from existing agencies after consulting these datasets online. The project is based in two urban areas: Boston and Barcelona.

For Boston, public data to be consulted include:

US Census Data on demographic changes since 2010 (approx) at the census tract level  
Green infrastructure recently built and planned by City of Boston, City of Everett, and City of Chelsea  
Massachusetts Executive Office of Public Safety and Security Crime Statistics  
Heat and Flooding maps from the heat and flooding maps from the Metropolitan Area Planning Council (MAPC)  
Boston Development Projects and Plans from the Boston Planning & Development Agency  
Community Health Centers GIS Data  
Public Housing data from Mass Housing  
LIHTC data from Department of Housing and Urban Development

For Barcelona, public data to be consulted include:

Statistics National Office data on demographic changes since 2010 (approx) at the census tract level  
Heat index and maps from Barcelona Metropolitan Area (AMB)  
Thermal comfort maps from Barcelona Metropolitan Area (AMB)  
Green infrastructure dataset from Barcelona Metropolitan Area (AMB)  
Climate shelters dataset from Barcelona Metropolitan Area  
Air pollution index from Barcelona Metropolitan Area (AMB)  
Thermal quality of buildings data from Barcelona Metropolitan Area (AMB)  
Recent and planned public transit infrastructure from Barcelona Metropolitan Area (AMB)  
Photovoltaic self-production potential data from Barcelona Metropolitan Area (AMB)  
Public and social housing data from Barcelona Metropolitan Area (AMB)  
Social Services data from Barcelona Metropolitan Area (AMB)

Statistical Portal of Criminality from the Ministry of Interior, Spain

## FAIR data and resources

The project will not generate a dataset but use public datasets from existing agencies after consulting these datasets online.

For Boston, Data is findable on the online portals of the agencies mentioned above:

<https://www.census.gov/data/datasets.html>  
<https://data.boston.gov/>  
<https://www.mass.gov/crime-statistics>  
<https://www.mapc.org/learn/data/>  
<http://www.bostonplans.org/projects/development-projects>  
<https://www.mass.gov/info-details/massgis-data-community-health-centers>  
<https://www.mhp.net/about-us/data>  
<https://www.huduser.gov/portal/datasets/lihtc/property.html>

For Barcelona, Data is findable on the online portals of the agencies mentioned above:

[https://www.ine.es/dyngs/INEbase/es/categoria.htm?c=Estadistica\\_P&cid=1254734710984](https://www.ine.es/dyngs/INEbase/es/categoria.htm?c=Estadistica_P&cid=1254734710984)  
<https://ide.amb.cat/portal/home/item.html?id=edd25eb67f3146cab433e5b1921c02a9>  
<https://www.amb.cat/en/web/area-metropolitana/dades-obertes>  
<https://opendata-ajuntament.barcelona.cat/data/es/dataset/confort-termic>  
<https://estadisticasdecriminalidad.ses.mir.es/publico/portalestadistico.html>

The project will not generate a dataset but use public datasets from existing agencies after consulting these datasets online.

For Boston, Data is openly accessible on the online portals of the agencies mentioned above:

<https://www.census.gov/data/datasets.html>  
<https://data.boston.gov/>  
<https://www.mass.gov/crime-statistics>  
<https://www.mapc.org/learn/data/>  
<http://www.bostonplans.org/projects/development-projects>  
<https://www.mass.gov/info-details/massgis-data-community-health-centers>  
<https://www.mhp.net/about-us/data>  
<https://www.huduser.gov/portal/datasets/lihtc/property.html>

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<https://ide.amb.cat/portal/home/item.html?id=edd25eb67f3146cab433e5b1921c02a9>  
<https://www.amb.cat/en/web/area-metropolitana/dades-obertes>

<https://opendata-ajuntament.barcelona.cat/data/es/dataset/confort-termic>  
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This is data from public agencies thus the question of data reuse is not relevant here. Anyone can reuse the data from those agencies by simply downloading or asking for it through an online form/petition

This is data from public agencies, publicly accessible online, thus the question of allocation of resources and data security is not relevant for the project.

## Planned Research Outputs

Data paper - "Urban Heat Justice and Gentrification in Barcelona"

Data paper - "Climate Gentrification in Boston"

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### Planned research output details

Title	Type	Anticipated release date	Initial access level	Intended repository(ies)	Anticipated file size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
Urban Heat Justice and Gentrification in Barcelona	Data paper	Unspecified	Open	None specified		None specified	None specified	No	No
Climate Gentrification in Boston	Data paper	Unspecified	Open	None specified		None specified	None specified	No	No